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1.	D02	US-	-5,356,7	17			10/1994	Choki et al.				
	D03	US-	-6,184,7	88	B1		02/2001	Middlemiss e	t al.			
	D04	US-	2001/00	52543	A1		12/2001	Liu et al.				
	D05	US-	-6,430,1	14	B1		08/2002	Wang et al.				
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Under the Paperwork Reduction Action 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Application Number 09/426,793 AUS 2 7 2005 Substitute for form 1449A/PTD Filing Date 10/23/1999 INFORMATION DISCLOSURE First Named Inventor: Donald C. Mann STATEMENT BY APPLICANCE Examiner: Karl R. Frech **GROUP: 2876** (Use as many sheets as necessary) CECH CENTER 2000 Sheet of Attorney Docket Number **ULT-001** U.S. PATENT DOCUMENTS Examiner Cited Document Number **Publication Date** Name of Patentee or Pages, Columns, Lines Number - Kind Code 2/1/ known) No. 1 Initials* MM-DD-YYYY Applicant of Cited Document Where Relevant Passages or Figures Appear KOF A01 US-4,985,795 01/1991 Gooch A02 US-5,051,288 09/1991 Ahlert et al. A03 US-5,942,744 08/1999 Kamo et al. A04 US-RE38,290 10/2003 Rose A05 2003-0024995 A1 02/2003 Conner et al. A06 2003-0043485 A1 03/2003 Conner et al. A07 2003-0218064 A1 11/2003 Conner et al. FOREIGN PATENT DOCUMENTS Examiner Cite **Publication** Pages, Columns, Lines Initials* No. 1 Foreign Patent Document Name of Patentee or Date Where Relevant MM-DD-Tو Applicant of Cited Passages or Figures Cntry Code³ Number⁴ Kind Code⁵ (If Incom) YYYY Document Appear_ OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) **EXAMINER SIGNATURE** DATE CONSIDERED:

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